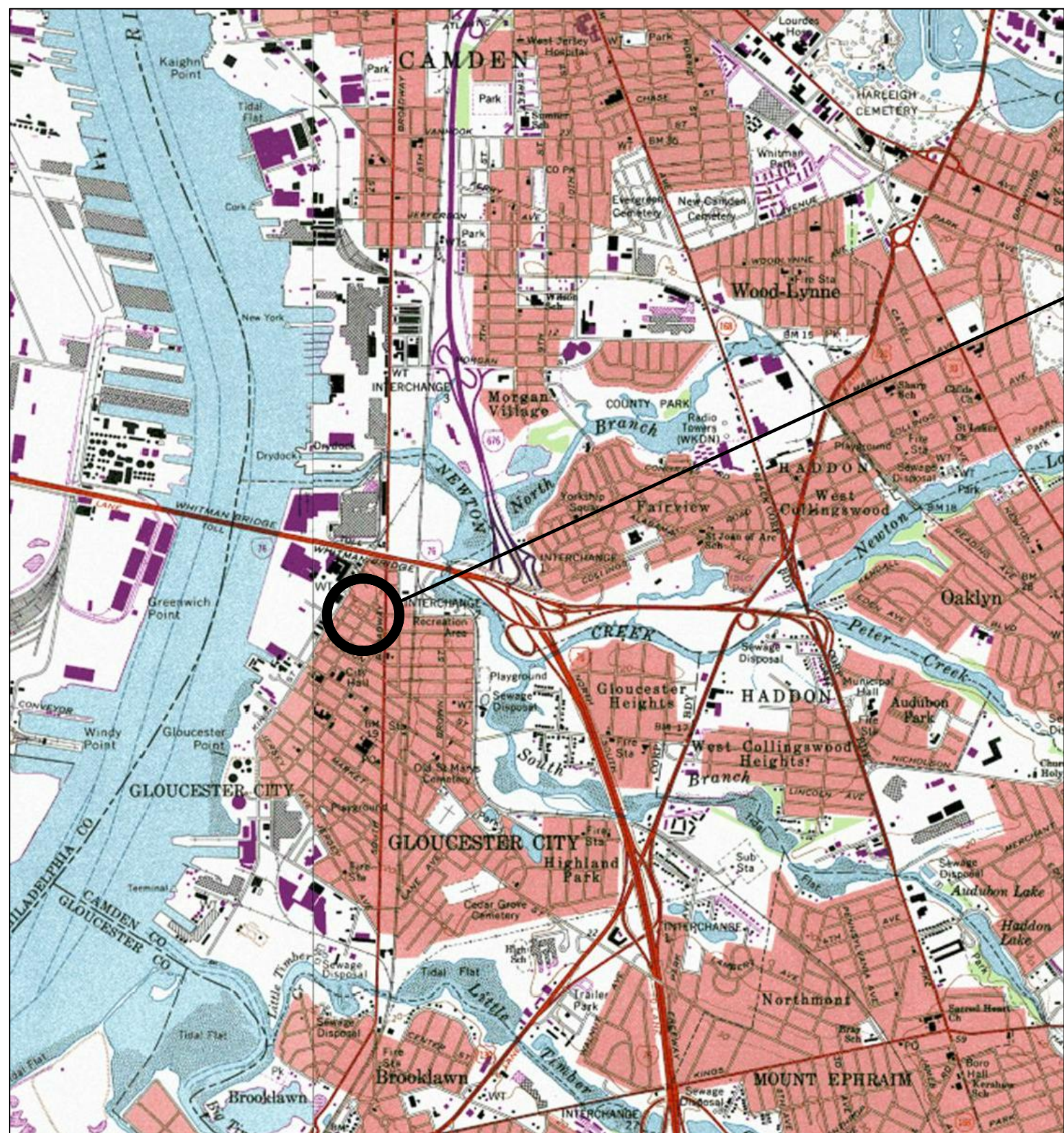
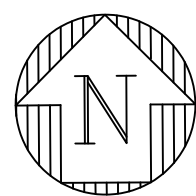
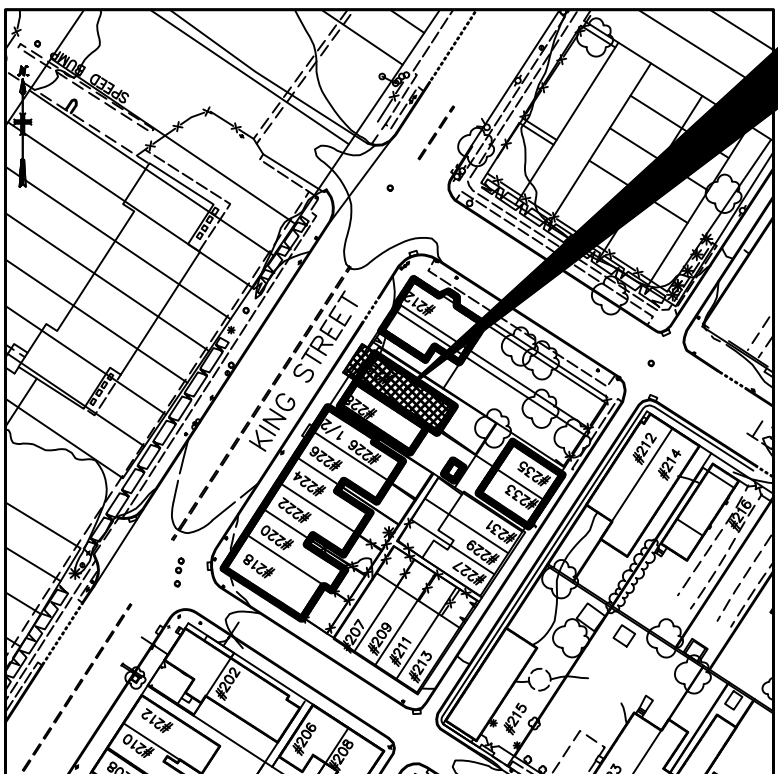


WELSBACH/GENERAL GAS MANTLE SUPERFUND SITE CAMDEN COUNTY, NEW JERSEY

PROPERTY ID. 3870
230 N. KING STREET
CONSTRUCTION UNIT 2.13



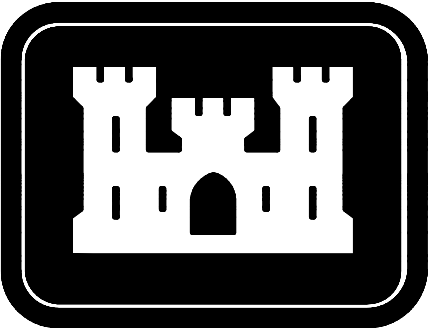
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SITE
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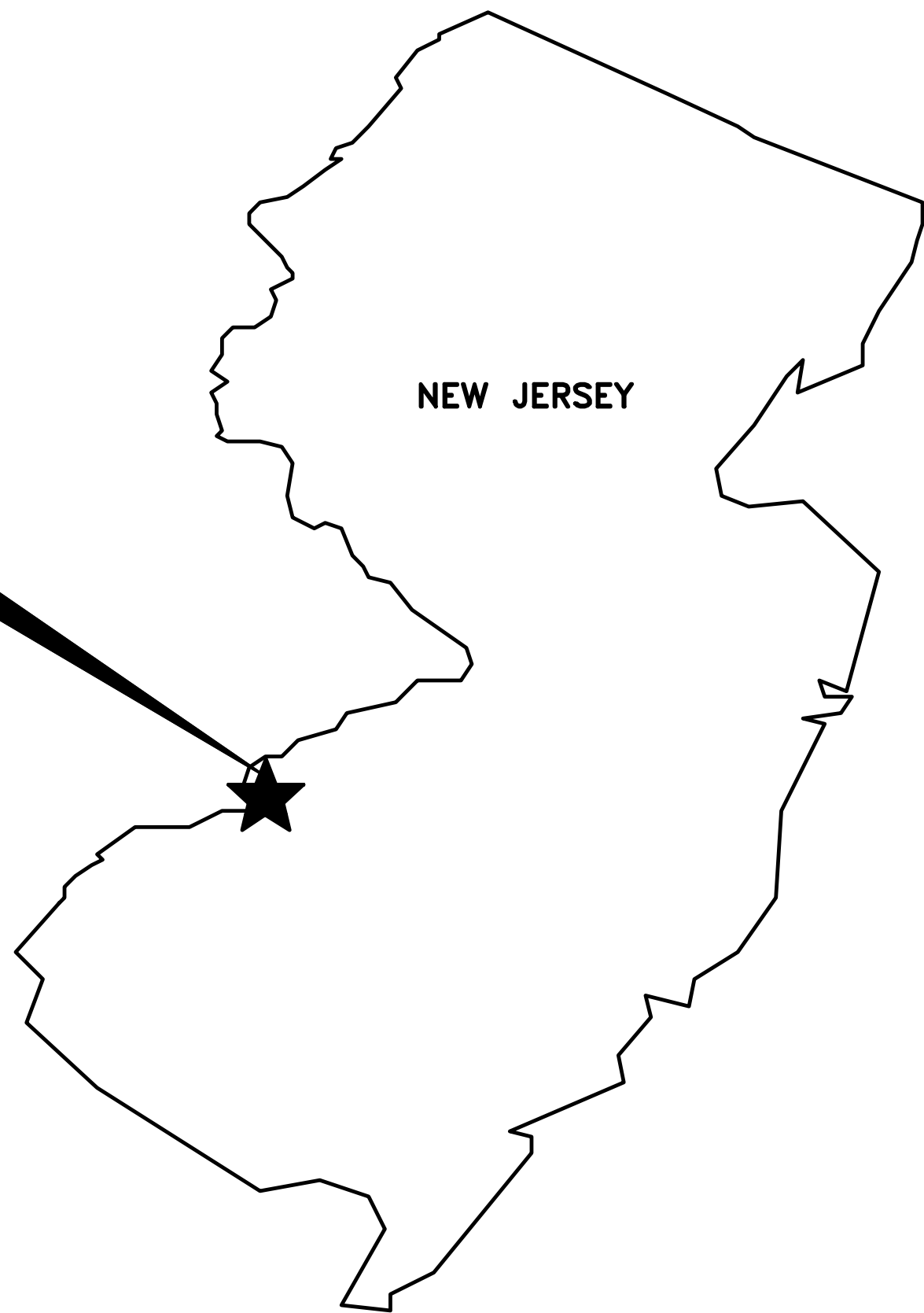
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US Army Corps
of Engineers

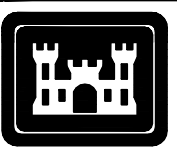
MALCOLM
PIRNIE

CAMDEN COUNTY



NEW JERSEY

NOT TO SCALE



U.S. Army Corps
of Engineers
KANSAS CITY DISTRICT

Revisions	
Symbol	Description
0	ISSUED FOR CONSTRUCTION
	12/11/08
	Date
	Approved

GREGORY W. DRUBNEY
PROFESSIONAL ENGINEER
NJ LICENSE 246E02093000

DATE:

Designed by: AB/RJG	Date: 4/25/08	Approved by: RK	Date: 12/11/08
Drawn by: LOW	Date: 4/25/08	Reviewed by: GWD	Date: 12/10/08
		File Name:	3870-001

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
KANSAS CITY DISTRICT
KANSAS CITY, MISSOURI
MALCOLM PIRNIE
MALCOLM PIRNIE, INC.
17-17A ROUTE 208 NORTH
FAIR LAWN, NEW JERSEY 07410

WELSBACH/GENERAL GAS MANTLE
SUPERFUND SITE
CAMDEN COUNTY, NEW JERSEY
PROPERTY ID. 3870
230 N. KING STREET
CONSTRUCTION UNIT 2.13
TITLE SHEET

G-001

Sheet 1 of 5

[illegible]

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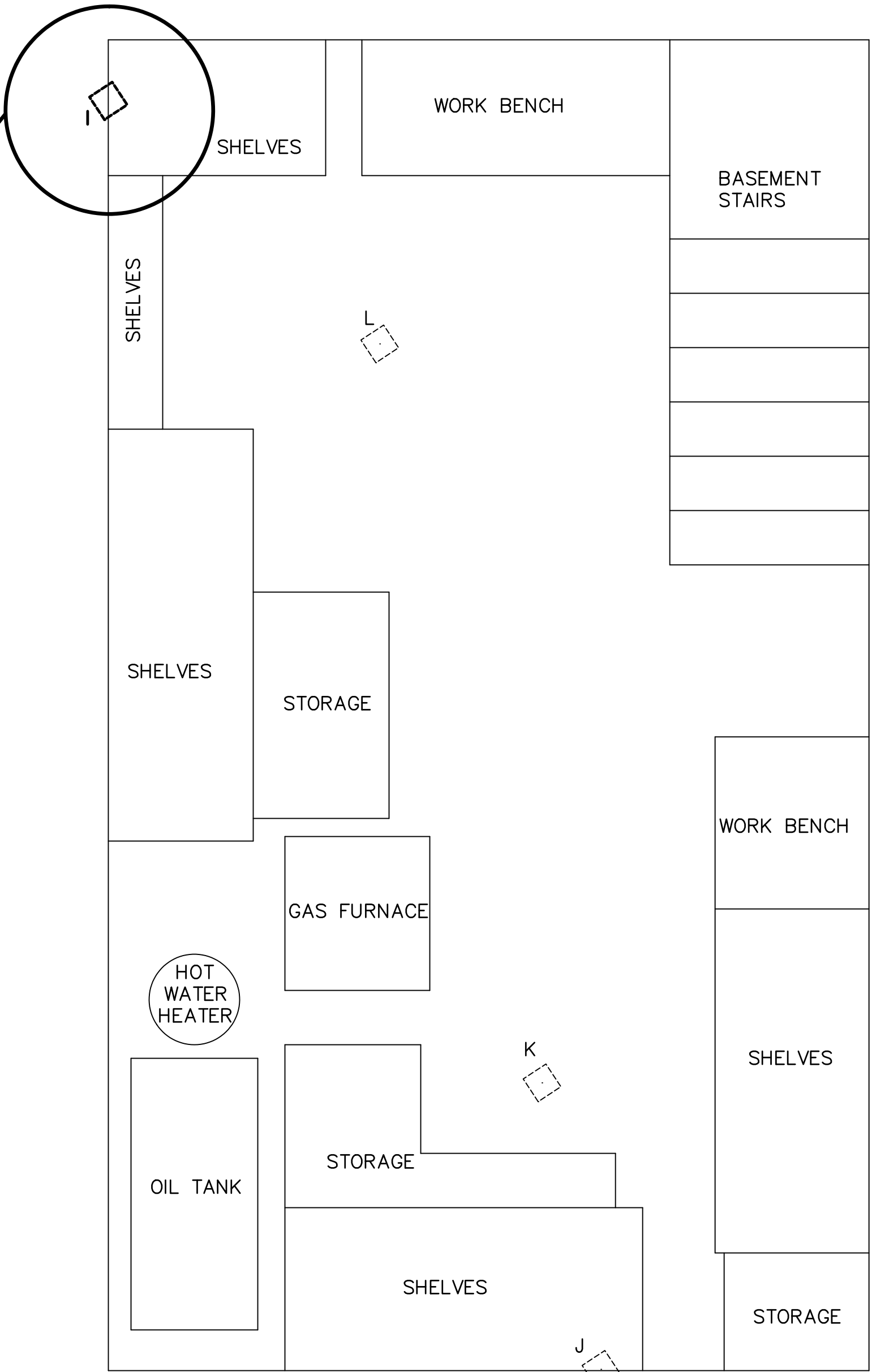
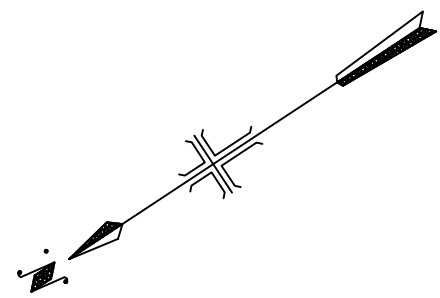
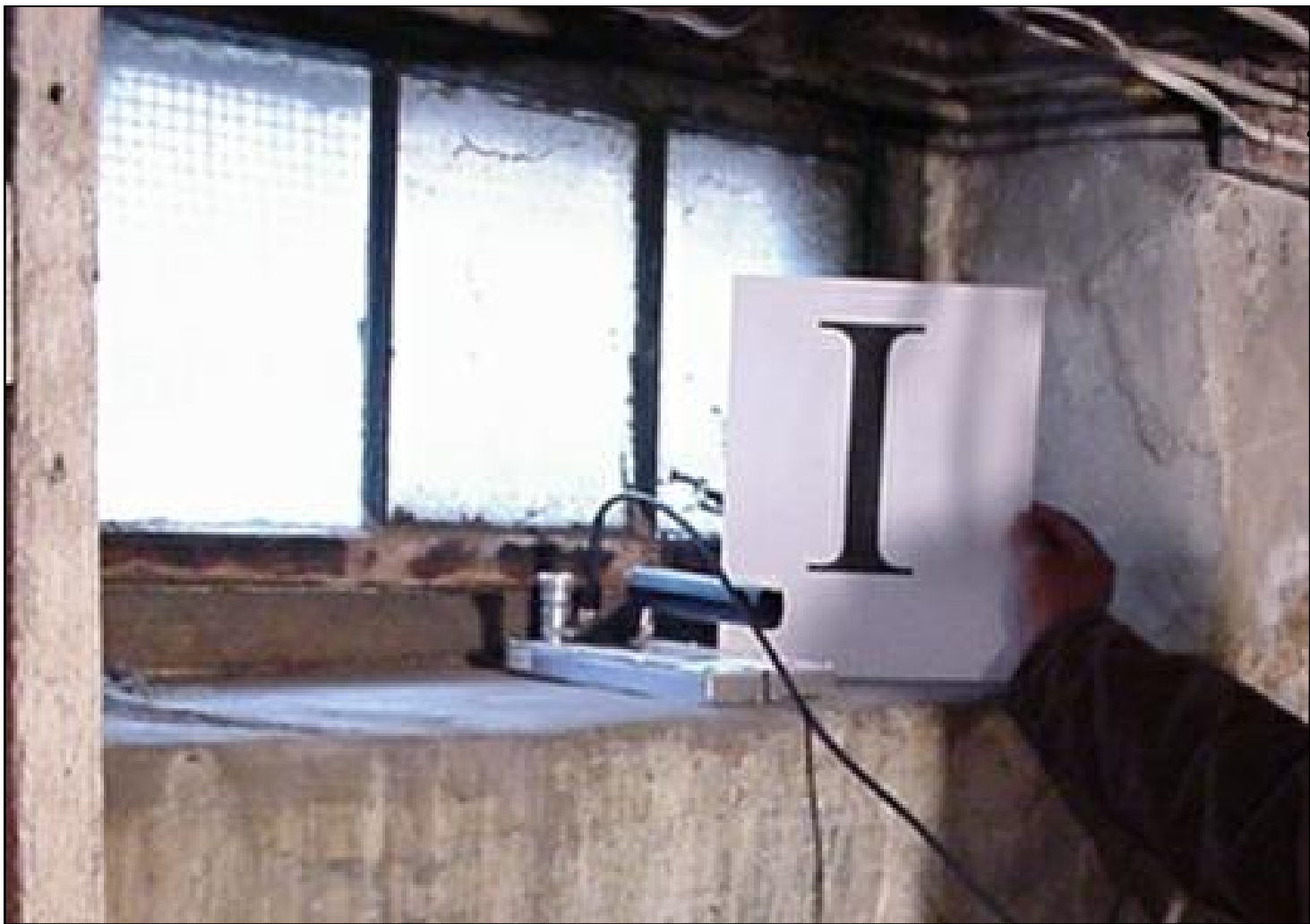
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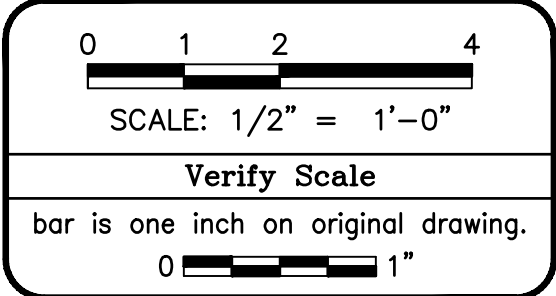
INTERIOR SURFACE SCAN SUMMARY

PROPERTY (3870)	SAMPLE	APPROXIMATE COORDINATES		UNITS (uR/hr)
		X=EASTING	Y=NORTHING	
	*I	317,500	389,707	145
	*J	317,475	389,711	10
	*K	317,480	389,709	12
	*L	317,493	389,704	13

* INDICATES SAMPLE TAKEN INSIDE STRUCTURE OR ON WALL



FRONT
EXISTING BASEMENT PLAN
230 N. KING STREET
(3870)



GENERAL NOTES:

1. LOCATIONS OF UTILITIES SHOWN ARE CONSIDERED TO BE APPROXIMATE AND ARE PRESENTED FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR SHALL VERIFY THE LOCATIONS OF UTILITIES AND CONTACT THE APPROPRIATE UTILITY COMPANIES PRIOR TO THE START OF CONSTRUCTION ACTIVITIES.
2. LOCATIONS OF IDENTIFIED FEATURES IN THE BASEMENT ARE BASED ON FIELD MEASUREMENTS TAKEN BY MALCOLM PIRNIE, INC., DATED JUNE 5, 2000 AND NOVEMBER 14, 2000 AND ARE CONSIDERED APPROXIMATE.
3. CONTRACTOR SHALL PROTECT EXISTING FEATURES NOT DESIGNATED TO BE REMOVED FROM DAMAGE. CONTRACTOR SHALL REPLACE OR REPAIR ANY SUCH FEATURE DAMAGED AT THE DIRECTION OF THE CONTRACTING OFFICER.
4. CONTRACTOR SHALL RESTORE THE SITE TO THE ORIGINAL CONDITIONS. AT THE CONCLUSION OF THE WORK, CONTRACTOR SHALL DEVELOP A DETAILED FINAL AS-BUILT DRAWING.



Revisions	
Symbol	Description
0	ISSUED FOR CONSTRUCTION
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GREGORY W. PIRNIE
PROFESSIONAL ENGINEER
NJ LICENSE 246E0293000
DATE: _____

Designed by: AB/RJG	Date: 4/25/08	Approved by: RK	Date: 12/11/08
Drawn by: KBI	Date: 4/25/08	Reviewed by: GWD	Date: 12/10/08
U.S. ARMY ENGINEER DIVISION CORPS OF ENGINEERS KANSAS CITY DISTRICT KANSAS CITY, MISSOURI		MALCOLM PIRNIE, INC. 17-17A ROUTE 208 NORTH FAIR LAWN, NEW JERSEY 07410	

WELSBACH/GENERAL GAS MANTLE
SUPERFUND SITE
CAMDEN COUNTY, NEW JERSEY
PROPERTY ID: 3870
230 N. KING STREET
CONSTRUCTION UNIT 2.13
EXISTING INTERIOR SITE PLAN
SCAN & BORING SUMMARY

G-004
Sheet 4 of 5

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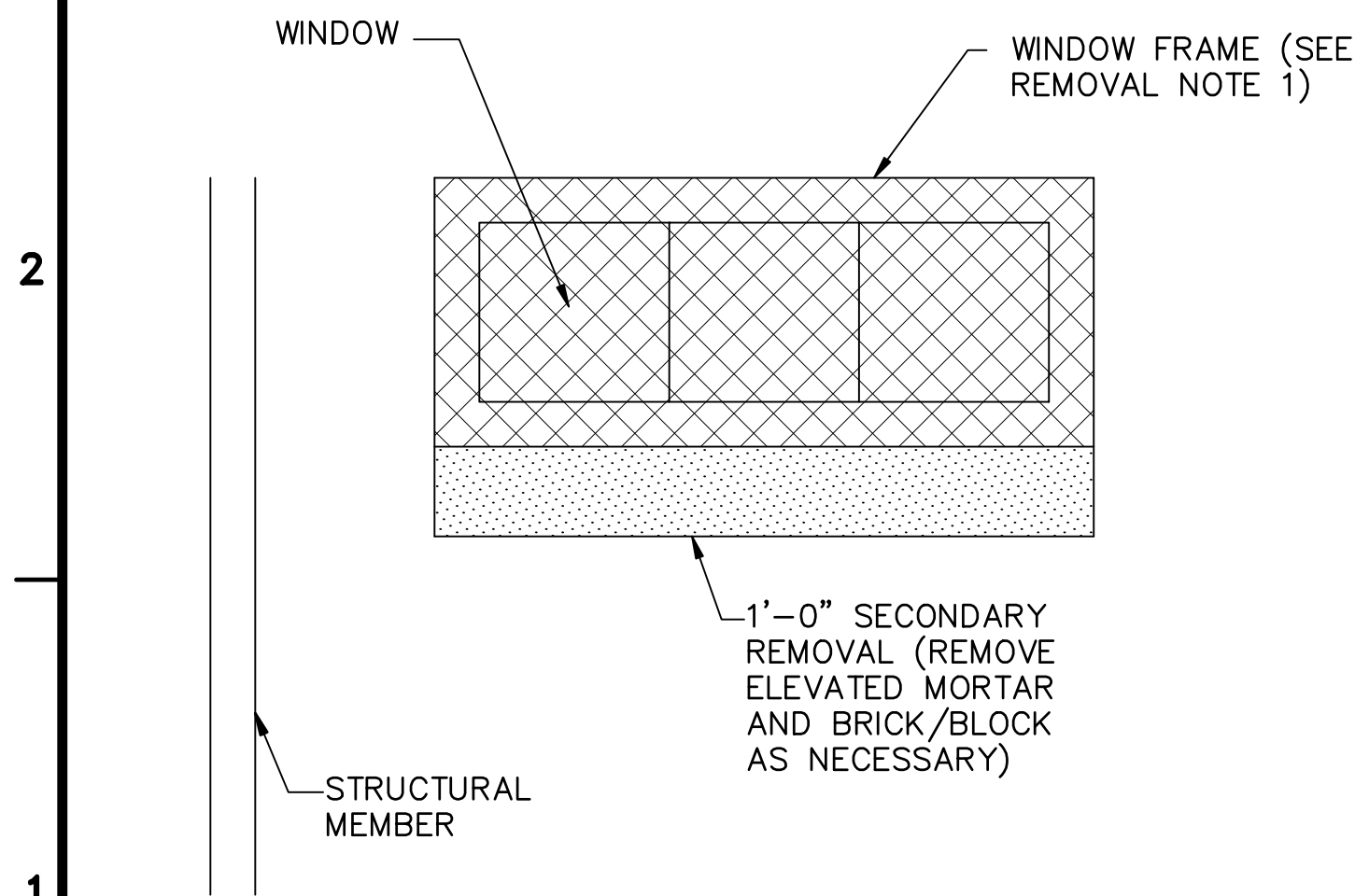
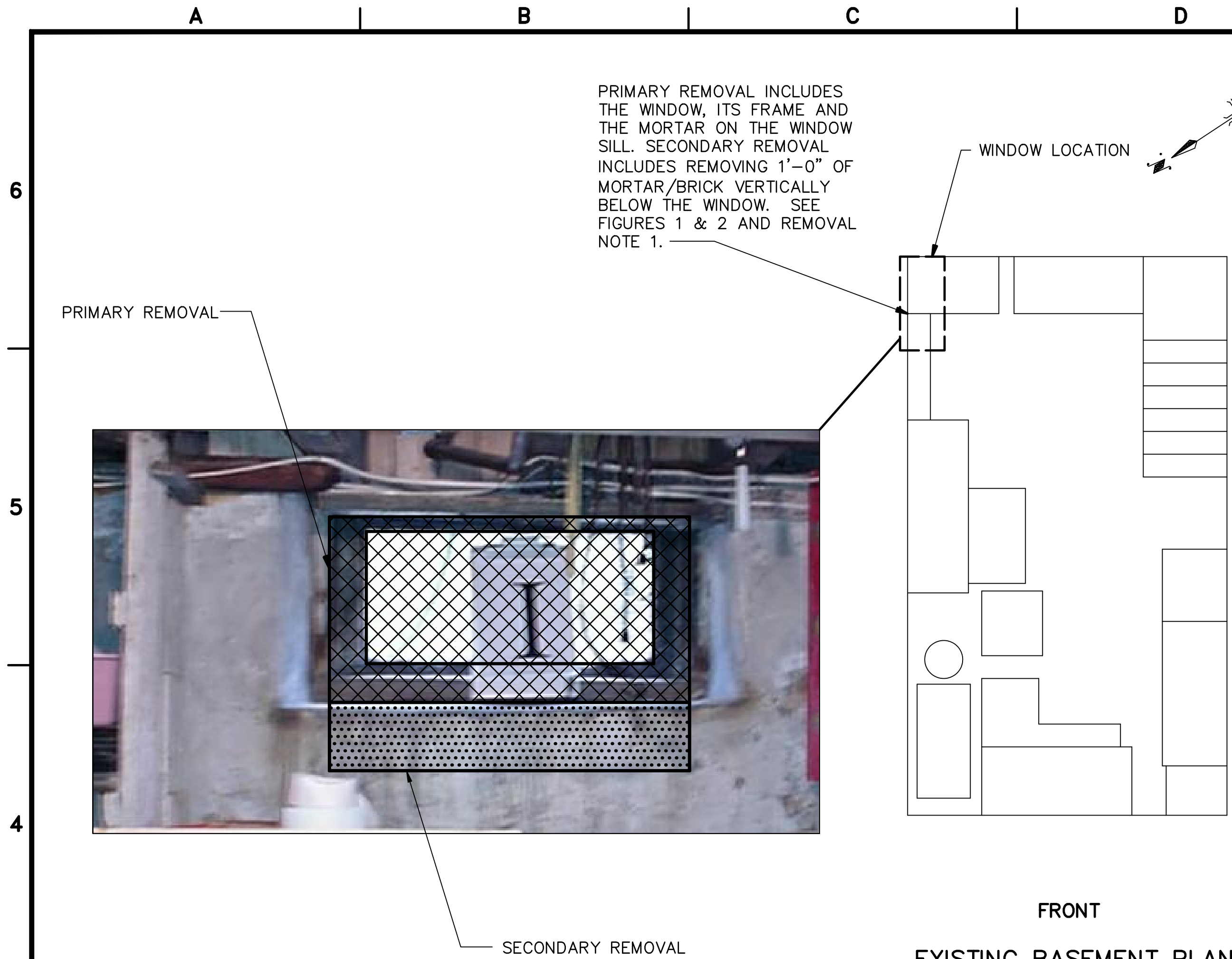


FIGURE 1 – ELEVATION
SCALE: NT

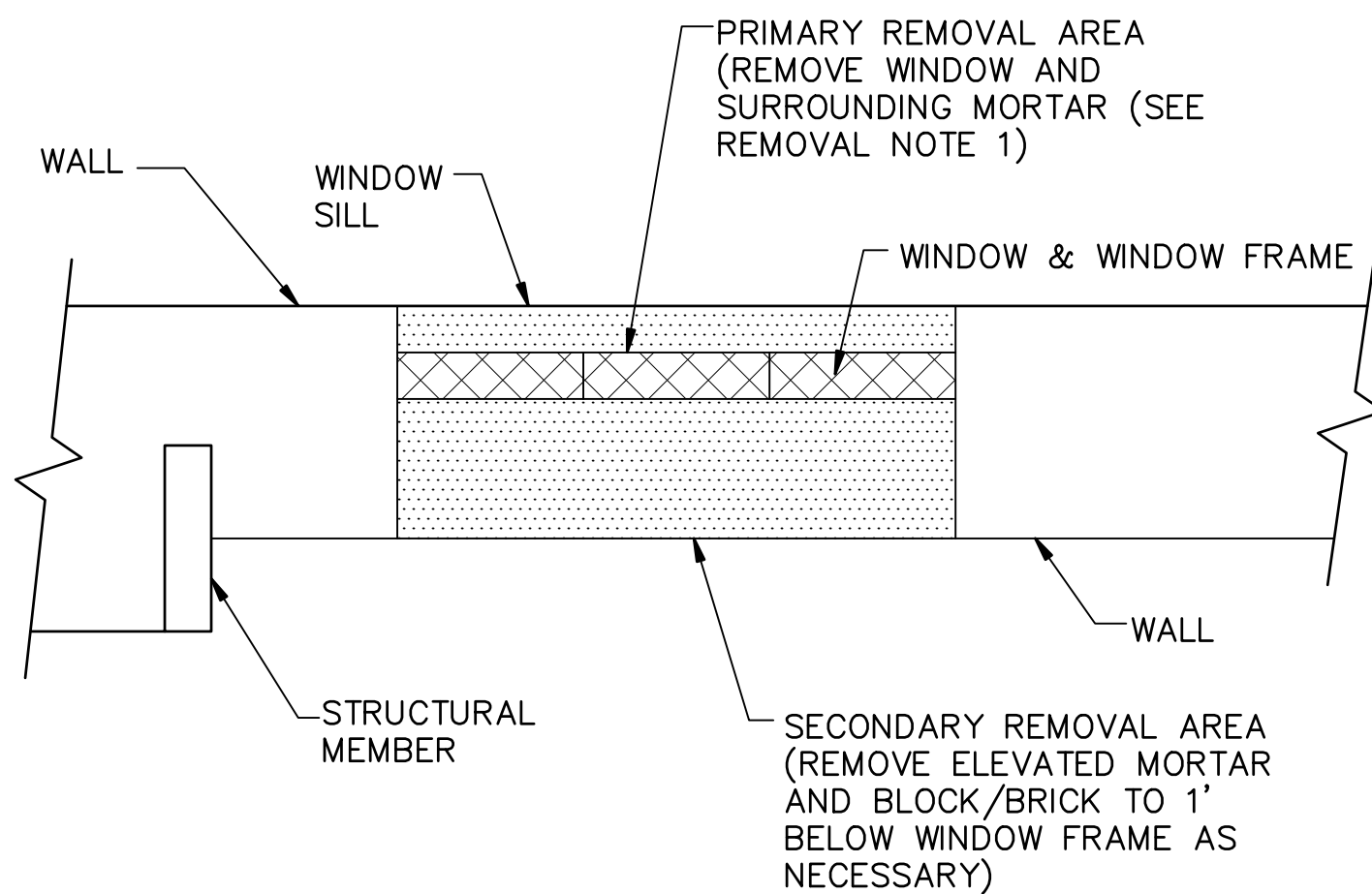


FIGURE 2 – PLAN
SCALE: NT

GENERAL NOTES:

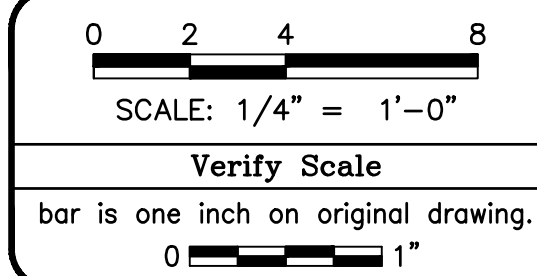
- CONTRACTOR SHALL PROVIDE TEMPORARY ACCESS TO AND FROM THE BASEMENT TO EFFECTIVELY PERFORM THE WORK. CONTRACTOR SHALL PROTECT THE STAIRS FROM DAMAGE DURING THE BASEMENT REMEDIATION AND RESTRICT ACCESS TO UNAUTHORIZED PERSONNEL. CONTRACTOR SHALL REPAIR OR REPLACE STAIRS DAMAGED DURING THE WORK. CONTRACTOR SHALL INSTALL PLASTIC SHEETING IN THE VICINITY OF THE WORK AND AS REQUIRED TO PROTECT THE ADJACENT AREAS AND EXPEDITE CLEANUP.
- CONTRACTOR SHALL PREPARE A MATERIAL HANDLING PLAN WHICH DESCRIBES THE METHODS AND PROCEDURES FOR THE REMOVAL OF CONTAMINATED MATERIAL FROM THE BASEMENT. THIS PLAN SHALL ALSO ADDRESS THE METHODS FOR PROTECTING, RELOCATING AND/OR REMOVING UTILITIES ENCOUNTERED DURING WORK; THE METHODS AND PROCEDURES FOR MORTAR/WINDOW REMOVAL AND REPLACEMENT; AND THE METHODS FOR DUST CONTROL AND REMOVAL.
- CONTRACTOR SHALL RELOCATE OR REMOVE UTILITY SERVICES, WIRES, PIPES, DUCTS, ETC. AS REQUIRED TO PERFORM THE WORK. PRIOR TO THE REMOVAL OF EXISTING FEATURES, CONTRACTOR SHALL PROVIDE TEMPORARY UTILITY CONNECTIONS AND BYPASS SYSTEMS TO MAINTAIN FUNCTIONAL USE AND PROTECTION OF THE RESIDENCE DURING WORK ACTIVITIES.
- WORK INSIDE THE BUILDING REQUIRES CUTTING AND REMOVING THE BASEMENT WINDOW, ITS FRAME, AND CONTAMINATED MORTAR ON THE SILL OF THE WINDOW. BASED ON RESULTS OF THE TESTING AND SAMPLING, THE CONTRACTOR MAY BE REQUIRED TO EXTEND THE LIMIT OF BRICK/MORTAR REMEDIATION TO REMOVE ADDITIONAL CONTAMINATED MATERIAL.
- THE CONTRACTOR SHALL TEMPORARILY RELOCATE AND REINSTALL ANY PRE-EXISTING FEATURES IN THE BASEMENT THAT IMPEDE REMEDIAL WORK. ALL REMOVED PRE-EXISTING FEATURES SHALL BE REPLACED WITH EQUIVALENT FEATURES. THIS WORK IS TO BE DONE UNDER THE DIRECTION OF THE CONTRACTING OFFICER. IF UTILITIES AND APPLIANCES ARE IMPACTED, THE REPLACEMENTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT BUILDING CODES, FIRE CODES, AND ALL OTHER LOCAL REQUIREMENTS.
- ALL MATERIAL WITHIN THE PRIMARY AND SECONDARY REMOVAL LIMITS IN THE BASEMENT IS CONSIDERED UNIMPORTANT QUANTITIES OF SOURCE MATERIAL-RCRA. ALL MATERIAL REMOVED SHALL BE SCANNED AND SEGREGATED TO BE DETERMINED IF THE MATERIAL SHOULD BE DISPOSED OF AS UNIMPORTANT QUANTITIES OF SOURCE MATERIAL-RCRA AS DIRECTED BY THE CONTRACTING OFFICER.

REMOVAL NOTES:

- CONTRACTOR SHALL REMOVE THE WINDOW, ITS FRAME, AND CHIP AWAY THE MORTAR AROUND THE WINDOW ON ITS SILL AND PERFORM A SURFACE EXPOSURE RATE SCAN WITH A SODIUM IODIDE DETECTOR. IF THE RESULTS OF THE SCAN INDICATE INDOOR GAMMA EXPOSURE RATES GREATER THAN OR EQUAL TO 27 μ R/H, CONTINUE REMOVING MORTAR VERTICALLY DOWN THE WALL UNDER THE WINDOW FOR APPROXIMATELY 6-IN. REPEAT GAMMA SCAN. IF THE RESULTS OF THE SCAN INDICATE INDOOR GAMMA EXPOSURE RATES GREATER THAN OR EQUAL TO 27 μ R/H, CONTINUE REMOVING MORTAR VERTICALLY DOWN THE WALL UNDER THE WINDOW FOR APPROXIMATELY ANOTHER 6-IN, REPEAT GAMMA SCAN. THE CONTRACTOR IS NOT TO REMOVE BRICK EXTENDING TO THE LEFT OR RIGHT OF THE WINDOW. IF GAMMA EXPOSURE RATES ON THE BRICK TO THE LEFT AND RIGHT OF THE WINDOW ARE GREATER THAN OR EQUAL TO 27 μ R/H, CONTRACTOR SHALL PROCEED UNDER THE DIRECTION OF THE COR.
- IF THE SECONDARY MORTAR AREA IS REMOVED AND THE GAMMA EXPOSURE RATE IS STILL GREATER THAN 27 μ R/H, THE CONTRACTOR SHALL BEGIN CHIPPING AWAY THE BRICKS/CINDER BLOCKS THAT ARE UNDER THE MORTAR UNTIL THE SOURCE OF THE ELEVATED READINGS IS REMOVED. RE-SCAN THE AREA.
- WHEN INDOOR GAMMA EXPOSURE RATE IS LESS THAN 27 μ R/H, DOCUMENT THE RESULTS AND BEGIN RESTORATION.

RESTORATION NOTES:

- ALL UTILITIES IMPACTED BY THE REMOVAL ACTIVITIES WILL BE RESTORED TO PRE-WORK CONDITIONS. ANY MATERIALS DAMAGED, BROKEN, OR SUFFICIENTLY DETERIORATED TO PREVENT REINSTALLATION WILL BE REPLACED IN KIND WITH SIMILAR MATERIALS.
- CONTRACTOR SHALL REPLACE AND INSTALL ALL NEW MORTAR AND SIMILAR BRICKS THAT WERE IMPACTED BY REMOVAL WORK USING STANDARD CONSTRUCTION PRACTICES.
- CONTRACTOR SHALL REPLACE AND INSTALL A NEW SIMILAR STYLE WINDOW AND WINDOW FRAME.
- CONTRACTOR SHALL CLEAN BASEMENT AND FIRST FLOOR ACCESS AREA, REMOVE CONSTRUCTION DEBRIS AND EXCESS MATERIALS AND DISPOSE AS REQUIRED. CONTRACTOR SHALL REMOVE PLASTIC SHEETING AND WRAPPING FROM APPLIANCES. RECONNECT ALL WIRING, PIPING, AND DUCTS AND ESTABLISH ALL UTILITY SERVICES IN ACCORDANCE WITH CURRENT BUILDING CODES, FIRE CODES, AND ALL OTHER LOCAL REQUIREMENTS.
- POST-RESTORATION (WINDOW RESTORATION) SURFACE SCAN IN ACCORDANCE WITH SECTION 01450 SHALL BE LIMITED TO THE IMPACTED AREA OF THE WALL.



U.S. Army Corps of Engineers
KANSAS CITY DISTRICT

Revisions	
Symbol	Description
0	ISSUED FOR CONSTRUCTION
	Date: 12/11/08
	Approved: GWD

GREGORY W. DRUBACK
REGISTERED PROFESSIONAL ENGINEER
NO. LICENSE 24602030000

DATE: _____

Designed by	Date	Approved by	Date	File Name
AB/RAG	4/25/08	RK	12/11/08	3870-005
Drawn by	Date	Reviewed by	Date	
KBI	4/25/08	GWD	12/10/08	

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
KANSAS CITY DISTRICT
KANSAS CITY, MISSOURI

MALCOLM PIRNIE
17-17 ROUTE 208 NORTH
FAIR LAWN, NEW JERSEY 07410

WELSBACH/GENERAL GAS MANTLE
SUPERFUND SITE
CAMDEN COUNTY, NEW JERSEY

PROPERTY ID. 3870
230 N. KING STREET
CONSTRUCTION UNIT 2.13
INTERIOR REMEDIATION PLAN

G-005

Sheet 5 of 5